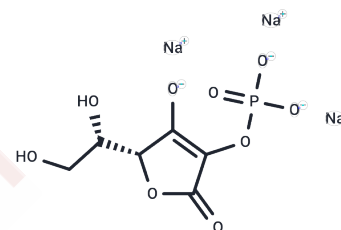


## L-Ascorbic acid 2-phosphate trisodium

## Chemical Properties

CAS No. :	66170-10-3
Formula:	C <sub>6</sub> H <sub>6</sub> Na <sub>3</sub> O <sub>9</sub> P
Molecular Weight:	322.05
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	L-Ascorbic acid 2-phosphate trisodium (Sodium ascorbyl phosphate) is utilized in biocatalytic dephosphorylation for electric power generation and electrochemical detection assays.
Targets(IC50)	Reactive Oxygen Species, Endogenous Metabolite, c-Met/HGFR, Phosphatase, ROS

## Solubility Information

Solubility	DMSO: Insoluble, H <sub>2</sub> O: 100 mg/mL (310.51 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1051 mL	15.5255 mL	31.0511 mL
5 mM	0.621 mL	3.1051 mL	6.2102 mL
10 mM	0.3105 mL	1.5526 mL	3.1051 mL
50 mM	0.0621 mL	0.3105 mL	0.621 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

- Ares AM, et al. J Chromatogr A. 2013 Oct 25;1313:78-95.  
Wang Y, Liu T, Guo Y, et al. Integrating melt electrospinning writing and microfluidics to engineer a human cardiac microenvironment for high-fidelity drug screening. Bioactive Materials. 2025, 45: 551-566.

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